



Generate Collection

L4: Entry 1 of 2

File: EPAB

May 4, 1995

PUB-NO: DE004336983A1
DOCUMENT-IDENTIFIER: DE 4336983 A1
TITLE: Column having a partition

PUBN-DATE: May 4, 1995

INVENTOR-INFORMATION:

NAME

COUNTRY

JANSEN, HELMUT

DE

LEBEN, JOCHEN

DE

RIETFORT, THOMAS

DE

ZICH, EGON

DE

ASSIGNEE-INFORMATION:

NAME

COUNTRY

MONTZ GMBH JULIUS

DE

APPL-NO: DE04336983

APPL-DATE: October 29, 1993


PRIORITY-DATA: DE04336983A (October 29, 1993)

INT-CL (IPC): B01 D 3/00; B01 J 10/00

EUR-CL (EPC): B01D003/16; B01D003/32, B01J019/30 , B01J019/32 , B01D003/00 , B01J010/00

ABSTRACT:

CHG DATE=19990617 STATUS=O> The invention relates to a column for carrying out thermal separations and/or chemical reactions having a vertical cylindrical column outer wall 1 which encloses an interior which is subdivided by a central vertical partition (dividing sheet) 2 into two spatial halves 3 in which are arranged mass transfer packages (packings) which, on the exteriors, have horizontal strip-shaped edge baffles which guide the liquid, which flows along the insides of the column outer wall 1, to the mass transfer package, the vertical side edges of the partition 2 having projections (lugs, lobes) on the end, which extend into column outer wall 1 orifices 15 which are shaped and arranged to correspond in shape and size and are fixed, in

particular welded-on, there. 

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L7: Entry 1 of 2

File: EPAB

Oct 24, 1984

PUB-NO: EP000122367A2

DOCUMENT-IDENTIFIER: EP 122367 A2

TITLE: Distillation column.

PUBN-DATE: October 24, 1984

INVENTOR-INFORMATION:

NAME

COUNTRY

KAIBEL, GERD

ASSIGNEE-INFORMATION:

NAME

COUNTRY

BASF AG

DE

APPL-NO: EP84100485

APPL-DATE: January 18, 1984

PRIORITY-DATA: DE03302525A (January 26, 1983)

US-CL-CURRENT: 202/158

INT-CL (IPC): B01D 3/16

EUR-CL (EPC): B01D003/14; C07C007/04

ABSTRACT:

CHG DATE=19990617 STATUS=O> In the column for the separation by distillation of feed product entering the distillation column at a feed point consisting of several fractions, into a pure top fraction and a pure bottom fraction and several, preferably one or two, medium-boiling fractions in the boiling range between the top fraction and bottom fraction and free or largely free of contamination by top and bottom fractions, partition devices acting in the longitudinal direction to prevent cross-mixing of liquid streams and/or vapour streams are arranged in a part region of the distillation column below and/or above the feed point and divide the distillation column into a feed section, where the feed product enters, and a take-off section, from which the medium-boiling fractions emerge, and the partition devices acting in the longitudinal direction are taken along such a number of separation stages that medium-boiling fractions free or largely free from contamination by top fractions and bottom fractions can be taken off in the take-off section.

End of Result Set

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L1: Entry 1 of 1

File: DWPI

Apr 21, 1983

DERWENT-ACC-NO: 1983-39389K

DERWENT-WEEK: 198317

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TITLE: Processing column packing with rectangular plates - has cut-out lugs bent to opposite sides of plate

INVENTOR: JUCHA, S; STRZELSKI, J ; WIEKLUK, M

PATENT-ASSIGNEE: PRZEDSIEBIORSTWO PR (PRZEN)

PRIORITY-DATA: 1981DE-3135709 (September 9, 1981)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>DE 3135709 A</u>	April 21, 1983		018	

INT-CL (IPC): B01D 3/14

ABSTRACTED-PUB-NO: DE 3135709A

BASIC-ABSTRACT:

Packing insert for a heat exchange or mass transfer column is to produce turbulence in a medium flowing parallel to the vertical axis of the column. The element comprises smooth, ribbed or perforated, rectangular plates, touching one another along their longer edges and joined by studs at the corners.

A system of ducts is distributed over the section in a regular geometrical pattern. Each plate has a number of pairs of cut-outs, where the material is bent to opposite sides of the plate. Pref., the bending lines of these cut-outs are mutually parallel and are at 45 deg. or other acute angle to the edge of the plate.

Used in various types of column, e.g. for absorption, extraction, distillation, droplet separation, gas purification etc. and for heat exchange. The arrangement provides a large effective area per unit of volume and offers low flow resistance and achieves uniform distribution of the liquid.

ABSTRACTED-PUB-NO: DE 3135709A

EQUIVALENT-ABSTRACTS:

DERWENT-CLASS: J01

CPI-CODES: J01-A02A; J01-C01; J01-E03; J01-G02; J08-B;